## **Author Index**

Adami, G., see Favretto, L. 251

Al-Kindy, S., see Prados, P. 227

Albertús, F.

-, Cortés, I., Danielsson, L.G. and Ingman, F.

Selective determination of protolytes by flow injection analysis. A guide for the rational selection of reagent composition 271

Bagirova, N.A., see Shekhovtsova, T.N. 145

Begleiter, A., see Wang, J. 111

Bier, F.F.

—, Ehrentreich-Förster, E., Dölling, R., Eremenko, A.V. and Scheller, F.W.

A redox-label immunosensor on basis of a bi-enzyme electrode

Bruland, K.W., see Roitz, J.S. 175

Buydens, L.M.C., see van Kampen A.H.C. 1

Cai, X., see Wang, J. 111

Cai, X.

-, Rivas, G., Shirashi, H., Farias, P., Wang, W., Jelen F. and Peleček. E.

Electrochemical analysis of formation of polynucleotide complexes in solution and at electrode surfaces 65

Campins-Falcó, P.

---, Herráez-Hernández, R., Sevillano-Cabeza, A. and Trümpler, I.

Derivatization of amines in solid-phase extraction supports with 9-fluorenylmethyl chloroformate for liquid chromatography 125

Chen, H.-Y., see Yu, A.-M. 181

Chicharro, M., see Wang, J. 111

Choi, M.F.

- and Hawkins, P.

Development of sulphide-selective optode membranes based on fluorescence quenching 105

Ciscar, R., see Pastor, A. 241

Clayden, N.J.

-, Lehnert, R.J. and Turnock, S.

Factor analysis of time domain NMR data: crystallinity of poly(tetrafluoroethene) 261

Cline Love, L.J., see Tang, J.-J. 137

Compisi, B., see Favretto, L. 251

Cortés, I., see Albertús, F. 271

Danielsson, L.G., see Albertús, F. 271

de la Guardia, M., see Pastor, A. 241

de la Guardia, M., see Rambla, F.J. 41

Dölling, R., see Bier, F.F. 119

Doherty, A.P.

- and Vos J.G.

Three-dimensional plots from osmium redox-polymer based electrochemical sensors 159

Dontha, N., see Wang, J. 111

Doscotch, M.A.,

-, Jones, J.A. and Welch, L.E.

Indirect adsorption detection: An alternative pulsed electrochemical detection waveform 55

Ehrentreich-Förster, E., see Bier, F.F. 119

Eremenko, A.V., see Bier, F.F. 119

Farias, P., see Cai, X. 65

Favretto, L.

-, Campisi, B., Reisenhofer, E., Adami, G.

Terrigenous debris and mussel pollution – a differentiation based on trace element concentration by means of multivariate analysis 251

Feng, Q., Li, N.-Q. and Jiang, Y.-Y.

Electrochemical studies of porphyrin interacting with DNA and determination of DNA 97

Fukushima, T., see Prados, P. 227

Garrigues, S., see Rambla, F.J. 41

Grummt, U.-W., see Mohr, G.J. 215

## Hartman, C.

—, Vankeerberghan, P., Smeyers-Verbeke, J. and Massart, D.L.
 Robust orthogonal regression for the outlier detection when comparing two series of measurement results 17

Hawkins, P., see Choi, M.F. 105

Henke, L.

-, Piunno, P.A.E., McClure, A.C., Krull, U.J.

Covalent immobilization of single-stranded DNA onto optical fibers using various linkers 201

Herráez-Hernández, R., see Campins-Falcó, P. 125

Hibbert, D.B., see van Kampen A.H.C. 1

Hidalgo Hidalgo de Cisneros, J.L., see Naranjo Rodríguez, I. 167

Homma, H., see Prados, P. 227 Huazhang, C., see Jie, Z. 291

Imai, K., see Prados, P. 227 Ingman, F., see Albertús, F. 271 Ishida, J., see Nohta, H. 233

Jelen, F., see Cai, X. 65 Jiang, J.-H., see Zhang, L. 29 Jiang, Y.-Y., see Feng, Q. 97 Jie, Z.

-, Zaizheng, Z., Ying, C. and Huazhang, C.

Studies on monoxide flame emission spectrometry of rare-earth elements. Part 2. Determination of yttrium in rare-earth concentrates by the dual wavelength method 291

Jones, J.A., see Doscotch, M.A. 55

Kawakami, K., see Murata, K. 153 Krull, U.J., see Henke, L. 201

Lehmann, F., see Mohr, G.J. 215 Lehnert, R.J., see Clayden, N.J. 261 Li, H., see Liu, H. 187 Li, N.-Q., see Feng, Q. 97 Liang, Y.-Z., see Zhang, L. 29 Limson, J.

-and, Nyokong, T.

Substituted catechols as complexing agents for the determination of bismuth, lead, copper and cadmium by adsorptive stripping voltammetry 87

Liu, H.

-, Ying, T., Sun, K., Li, H. and Qi, D.

Reagenties amperometric biosensors highly sensitive to hydrogen peroxide, glucose and lactose based on N-methyl phenazine methosulfate incorporated in a Nafion film as an electron transfer mediator between horseradish peroxidase and an electrode 187

Liu, P., see Zhang, L. 29

Markides, K.E., see Wallenborg, S.R. 77 Massart, D.L., see Hartman, C. 17 Matsunaga, Y., see Murata, K. 153 McClure, A.C., see Henke, L. 201 Mohr. G.J.

-, Lehmann, F. Grummt, U.-W., Spichiger-Keller, U.S. Fluorescent ligands for optical sensing of alcohols; synthesis and characterisation of  $p - N_{*}N_{*}$ -dialkylamino-trifluoroacetylstillbenes 215

Mori, S., see Prados, P. 227

Mowat, M., see Wang, J. 111

Muginova, S.V., see Shekhovtsova, T.N. 145 Mulholland, M., see van Kampen A.H.C. 1

Muñoz Leyva, J.A., see Naranjo Rodríguez, I. 167 Murata, K.

-, Kawakami, K., Matsunaga, Y. and Yamashita, S. Determination of sulfate in brackish waters by laser Raman spectroscopy 153

Naranjo Rodríguez, I.

-, Muñoz Leyva, J.A. and Hidalgo Hidalgo de Cisneros, J.L. Use of a carbon paste modified electrode for the determination of 2-nitrophenol in a flow system by differential pulse voltammetry 167

Nielsen, P.E., see Wang, J. 111

Nohta, H.

-, Yukizawa, T., Ohkura, Y., Yoshimura, M., Ishida, J. and Yamaguchi, M.

Aromatic glycinonitriles and methylamines as pre-column fluorescence derivatization reagents for catecholamines 233

Nyholm, L., see Wallenborg, S.R. 77 Nyokong, T., see Limson, J. 87

Ohkura, Y., see Nohta, H. 233

Paleček, E., see Cai, X. 65 Palecek, E., see Wang, J. 111 Parrado, C., see Wang, J. 111

Pastor, A., Vázquez, E., Ciscar, R. and de la Guardia, M.

Efficiency of the microwave-assisted extraction of hydrocarbons and pesticides from sediments 241

Piunno, P.A.E., see Henke, L. 201

Prados, P.

-, Fukushima, T., Santa, T., Homma, H., Tsunoda, M., Al-Kindy, S., Mori, S., Yokosu, H. and Imai, K.

4-N,N-Dimethylaminosulfonyl-7-N-(2-aminoethyl)amino-benzofurazan as a new precolumn fluorescence derivatization reagent for carboxylic acids (fatty acids and drugs containing a carboxyl moiety) in liquid chromatography 227

Qi, D., see Liu, H. 187

Ramadan, Z., see van Kampen A.H.C. 1 Rambla, F.J.

-, Garrigues, S. and de la Guardia, M.

PLS-NIR determination of total sugar, glucose, fructose and sucrose in aqueous solutions of fruit juices 41

Reisenhofer, E., see Favretto, L. 251

Rivas, G., see Cai, X. 65

Rivas, G., see Wang, J. 111

Roitz, J.S.

- and Bruland, K.W.

Determination of dissolved manganese(II) in coastal and estuarine waters by differential pulse cathodic stripping voltammetry 175

Santa, T., see Prados, P. 227

Scheller, F.W., see Bier, F.F. 119

Sevillano-Cabeza, A., see Campins-Falcó, P. 125

Shekhovtsova, T.N.

-, Muginova, S.V. and Bagirova, N.A.

Determination of organomercury compounds using immobilized peroxidase 145

Shirashi, H., see Cai, X. 65

Smeyers-Verbeke, J., see Hartman, C. 17 Spichiger-Keller, U.S., see Mohr, G.J. 215 Sun, K., see Liu, H. 187

## Tang, J.-J.

- and Cline Love, L.J.

Formation constants of polynuclear aromatic compounds and  $\beta$ -cyclodextrin inclusion complexes in  $\beta$ -cyclodextrin modified mobile phase high performance liquid chromatography system 137

Tiljaard, R.E., see van Staden, J.F. 281 Tomschik, M., see Cai, X. 65 Trümpler, I., see Campins-Falcó, P. 125 Tsunoda, M., see Prados, P. 227 Turnock, S., see Clayden, N.J. 261

## van Kampen, A.H.C.

-, Ramadan, Z., Mulholland, M., Hibbert, D.B. and Buydens, L.M.C.

Learning classification rules from an ion chromatography database using a genetic based classifier system 1

van Staden, J.F.

- and Tiljaard, R.E.

Determination of ammonia in water and industrial effluent streams with the indophenol blue method using sequential injection analysis 281

Vankeerberghen, P., see Hartman, C. 17 Vázquez, E., see Pastor, A. 241 Vos, J.G., see Doherty, A.P. 159 Wallenborg, S.R.

-, Markides, K.E. and Nyholm, L.

A microelectrochemical detector for use at low linear velocities in capillary column systems 77

Wang, J., see Cai, X. 65

Wang, J.

—, Rivas, G., Cai, X., Chicharoo, M., Parrado, C., Dontha, N., Begleiter, A., Mowat, M., Palecek, E. and Nielsen, P.E. Detection of point mutation in the *p*53 gene using a peptide nucleic acid biosensor 111

Welch, L.E., see Doscotch, M.A. 55

Yamaguchi, M., see Nohta, H. 233 Yamashita, S., see Murata, K. 153 Ying, C., see Jie, Z. 291 Ying, T., see Liu, H. 187 Yokosu, H., see Prados, P. 227 Yoshimura, M., see Nohta, H. 233 Yu, A.-M.

- and Chen, H.-Y.

Electrocatalytic oxidation and determination of ascorbic acid at poly(glutamic acid) chemically modified electrode 181

Yu, R.-Q., see Zhang, L. 29 Yukizawa, T., see Nohta, H. 233

Zaizheng, Z., see Jie, Z. 291

Zhang, L.

Jiang, J.-H., Liu, P., Liang, Y.-Z. and Yu, R.-Q.
Multivariate nonlinear modelling of fluorescence data by neural network with hidden node pruning algorithm 29